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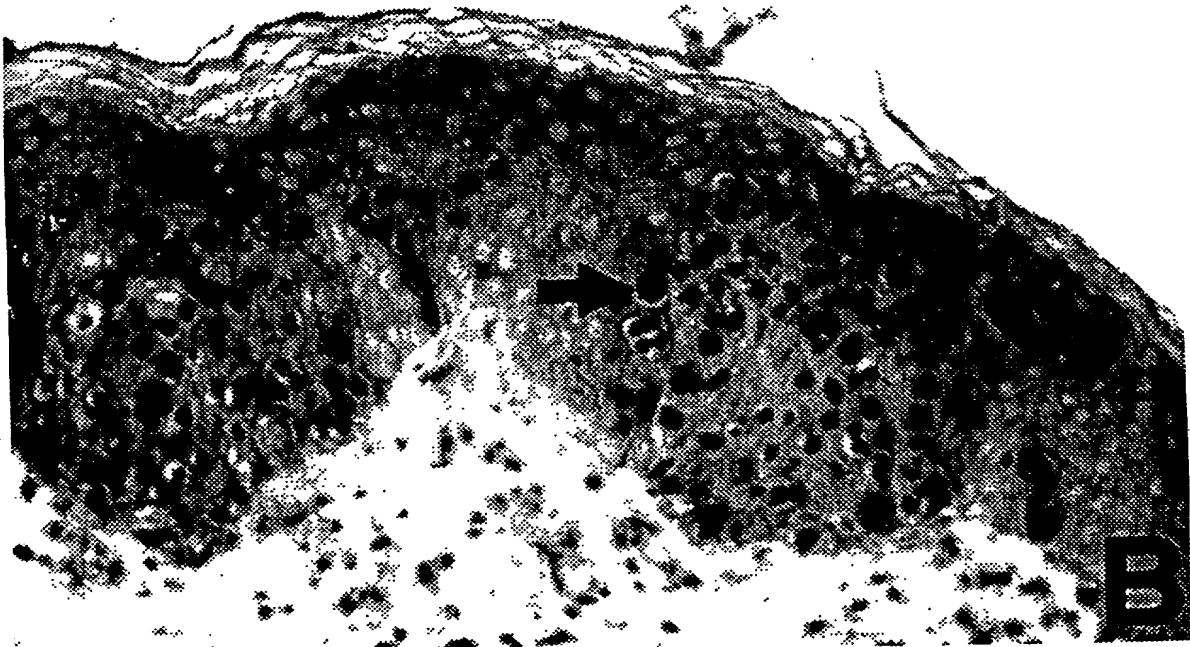
FIGURE 1A



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FO5210 66969260

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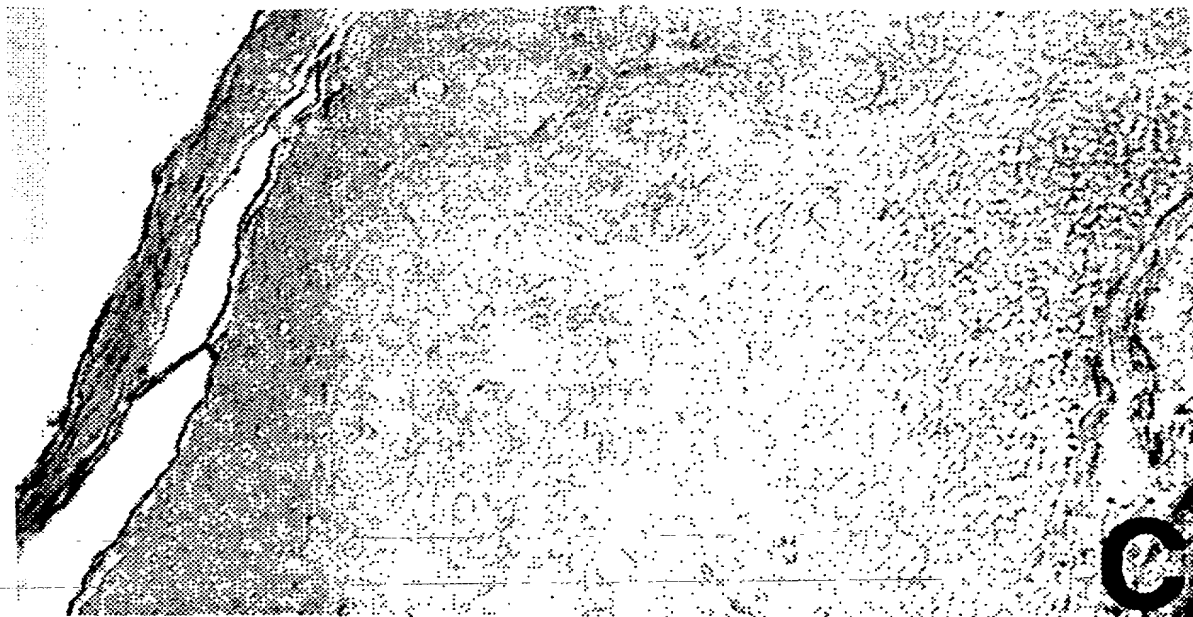
FIGURE 1B



FOUO 66969250

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FIGURE 1C



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T05270-66969/60

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FIGURE 2A



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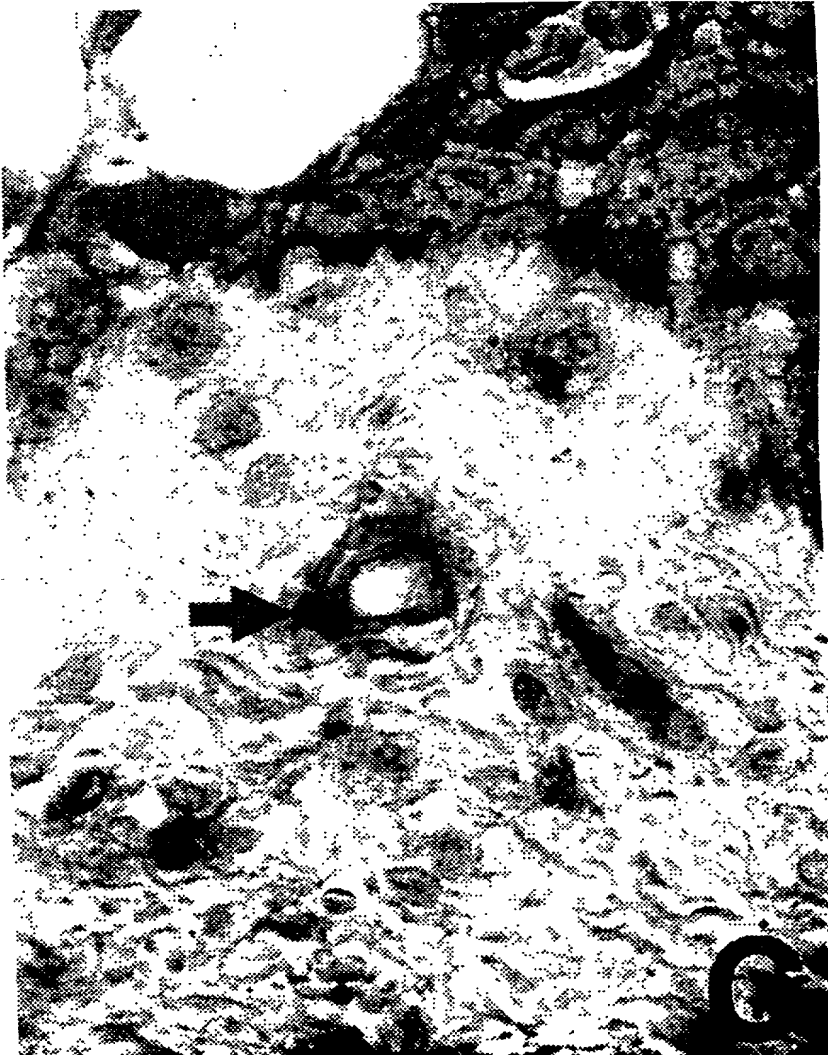
FIGURE 2B



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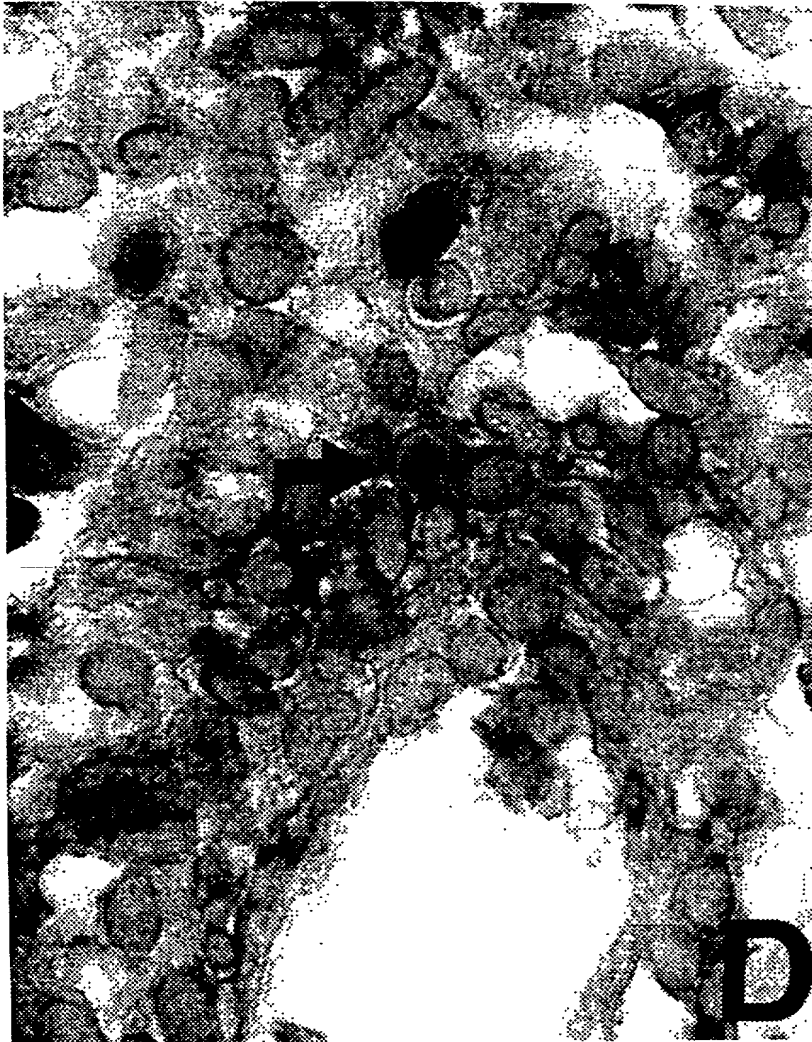
FIGURE 2C



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FIGURE 2D



105210 6669760

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FIGURE 3A



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FIGURE 3B



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FIGURE 3C



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FIGURE 3D



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FIGURE 4

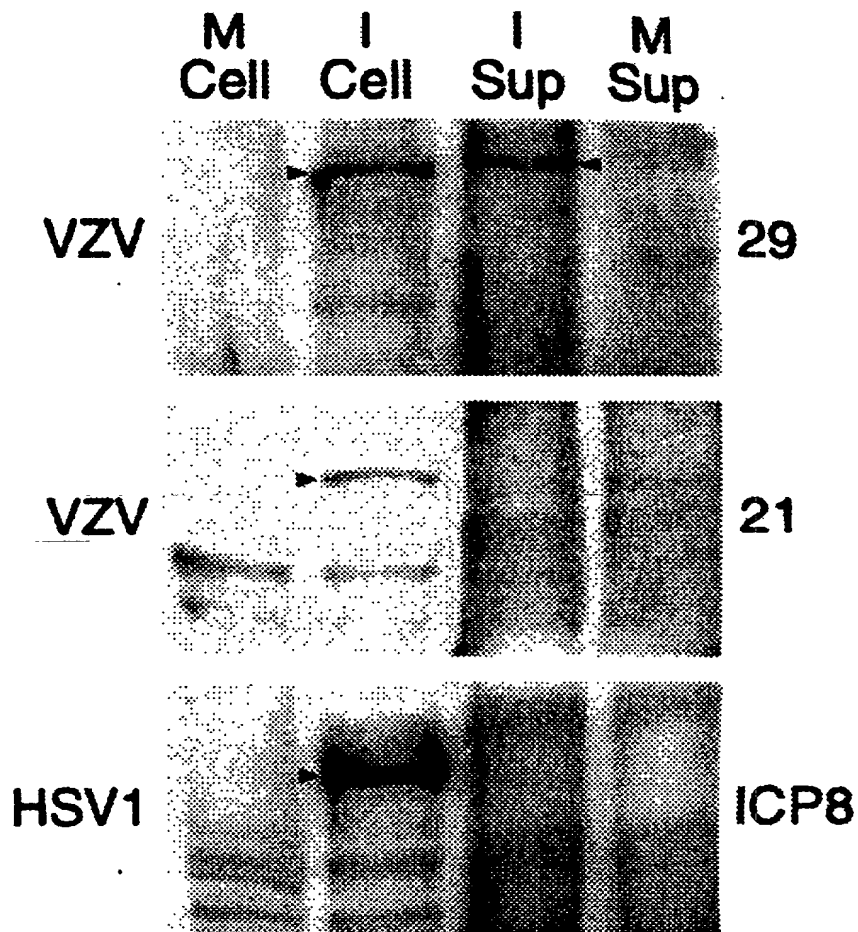
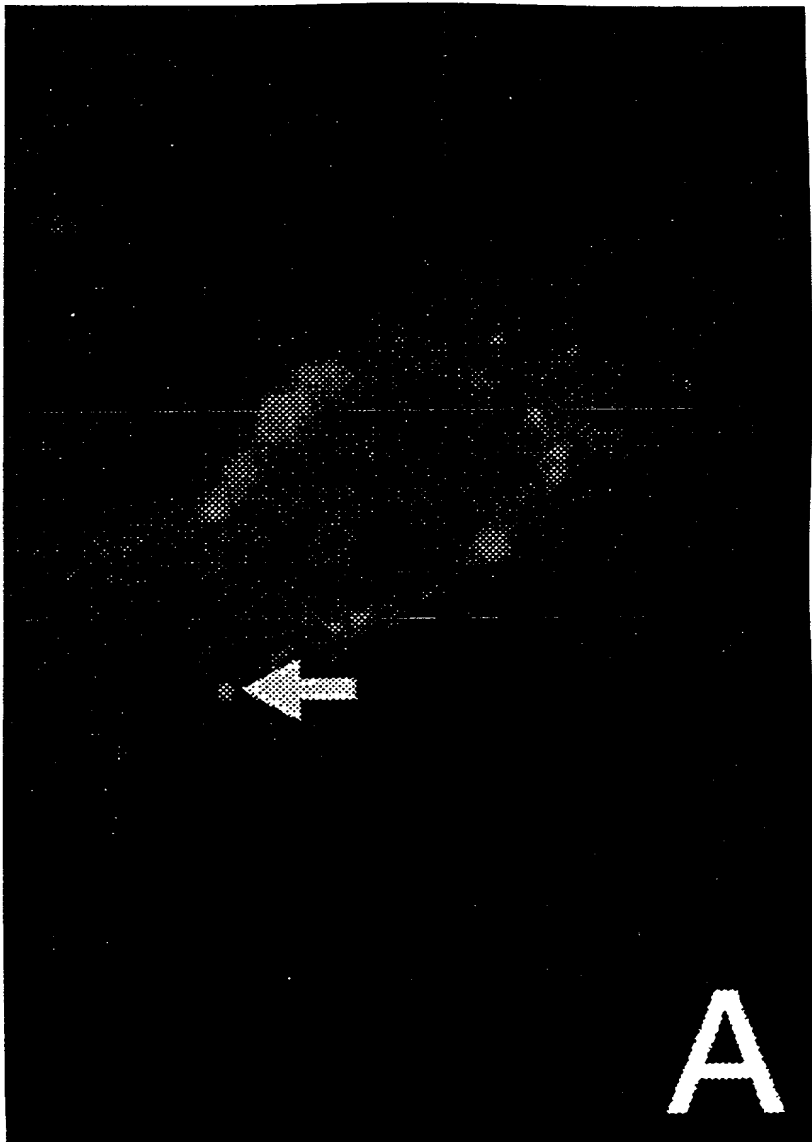
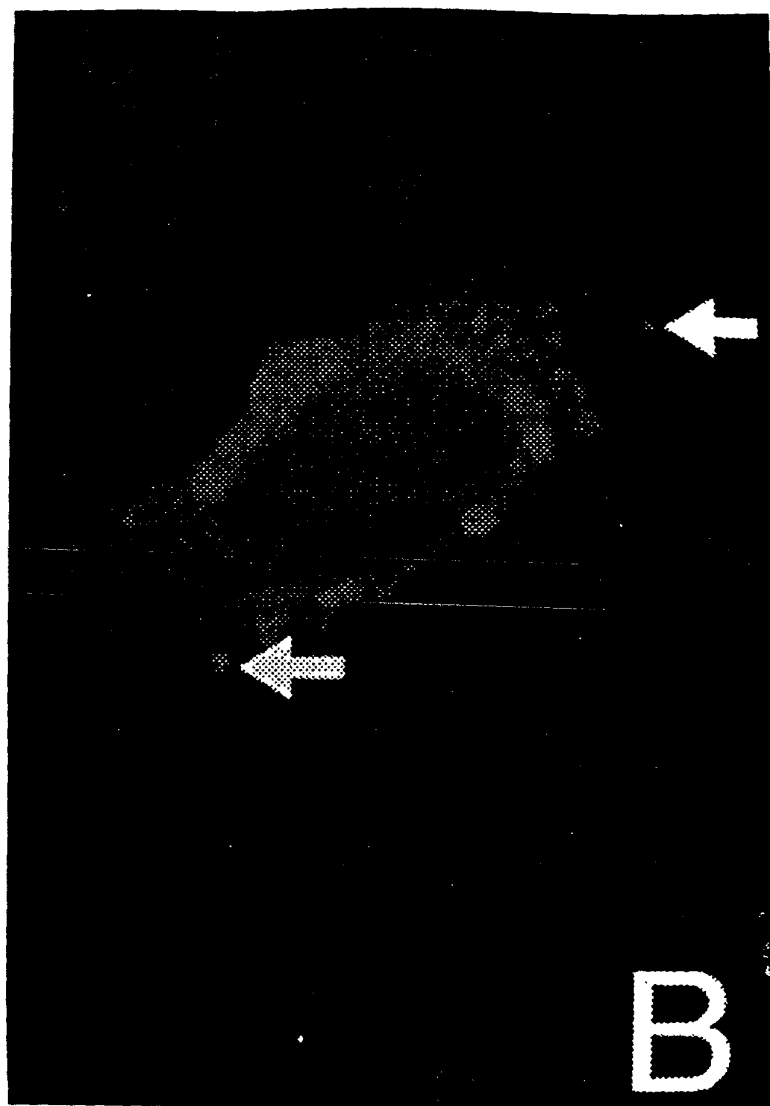


FIGURE 5A



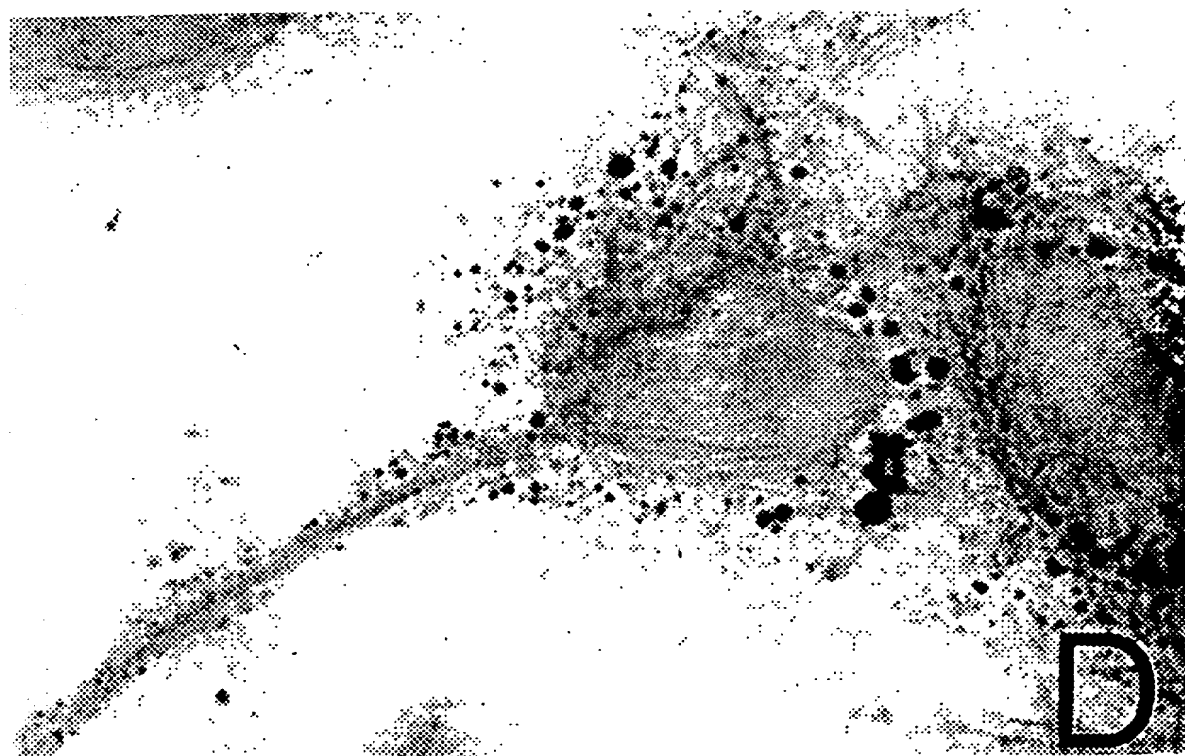
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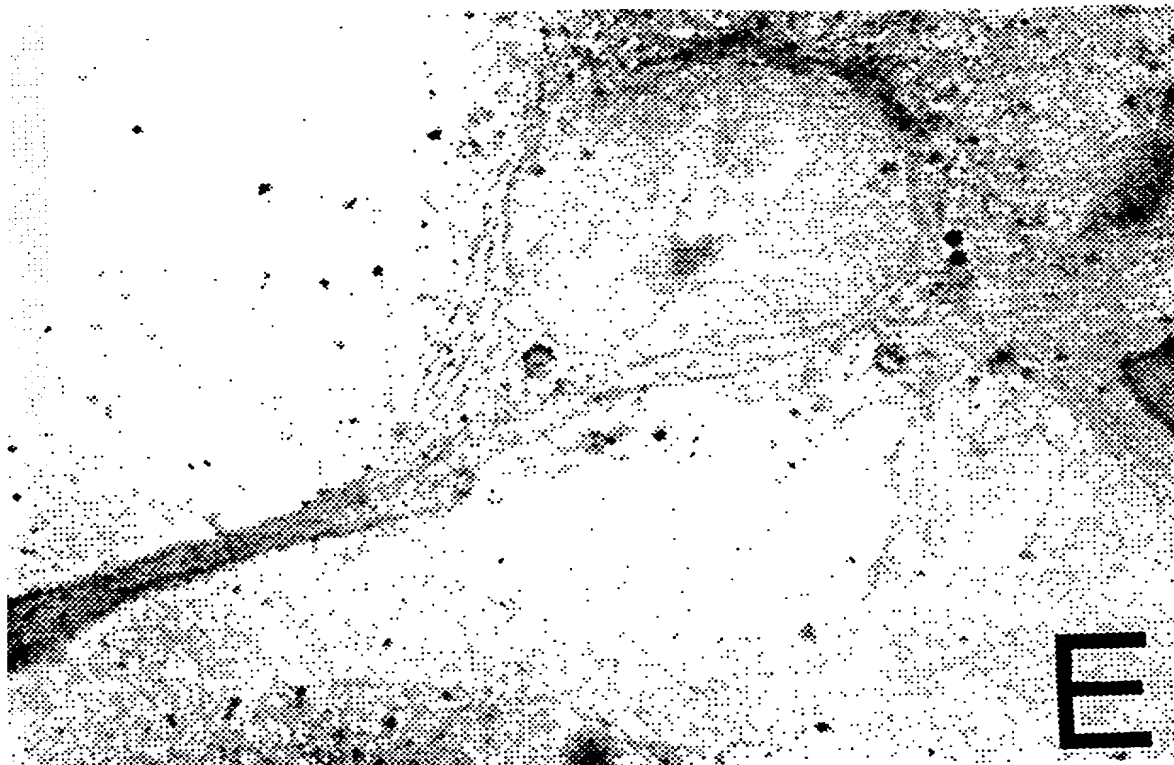
FIGURE 5D



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FIGURE 5E



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5'	9	18	27	36	45	54
ATG GAA AAT ACT CAG AAG ACT GTG ACA GTG CCC ACG CCC CTG GGT TAC GTT						
M E N T Q K T V T V P T G P L G Y V						
	63	72	81	90	99	108
TAT GCG TGC CGG GTT GAA GAT TTG GAT CTG GAG GAA ATT TCA TTT TTG GCC GCT						
Y A C R V E D L D L E E I S F L A A						
	117	126	135	144	153	162
CGT AGC ACG GAC TCT GAT TTG GCT TTA TTA CCT TTG ATG CGT AAT TTG ACC GTG						
R S T D S D L A L L P L M R N L T V						
	171	180	189	198	207	216
GAA AAA ACT TTT ACA TCC AGC CTG GCG GTG GTT TCT GGA GCA CGC ACT ACG GGT						
E K T F T S S L A A V V S G A R T T G						
	225	234	243	252	261	270
CTT GCC GGA GCT GGT ATT ACC TTA AAA CTC ACT ACC AGT CAT TTC TAT CCA TCT						
L A G A G I T L L K L L T T S H F Y P S						
	279	288	297	306	315	324
GTC TTT GTC TTT CAC GGA GGC AAA CAC GAT TTA CCC AGC TCC GCG GCC CCA AAT						
V F V F H G G K H V L P S S A A P N						

FIGURE 6-2

333	342	351	360	369	378
CTC ACA CGC	GCG TGT AAC	GCG GCT CGA	GAA CGG TTT	GGG TTT TCA	CGC TGC CAA
L T R A C N A A R E R F G F S R C Q					
387	396	405	414	423	432
GGG CCT CCT	GTT GAC GGT	GTT GCT GCT	GAG ACC GGC	GCT GAG ATA	TGC ACC CGC
G P P V D G A V E T T G A E I C T R					
441	450	459	468	477	486
CIT GGA TTA	GAG CCA GAA	AAT ACA ATA	TTA TAC TTG	GTG GTC ACC	GCA TTG TTT
L G L E P E N T I L Y L V V T A L F					
495	504	513	522	531	540
AAG GAA GCC	GTA TTT ATG	TGC AAC GTG	TTT CTG CAT	TAT GGA GGA	CTC GAT ATT
K E A V F M C N V F L H Y G G L D I					
549	558	567	576	585	594
GTT CAT ATT	AAC CAT GGG	GAT GAT ATA	CGT ATA CCG	TTA TTT CCG	GTA CAA CTT
V H I N H G D V I R I P L F P V Q L					
603	612	621	630	639	648
TTC ATG CCC	GAT GTT AAC	CGT CTG GTA	CCC GAC CCA	TTC AAC ACT	CAT CAC AGG
F M P D V N R R L V P D P F N T H H R					

FIGURE 6-3 657

TCT	ATC	GGA	GAG	GGT	TTT	GTA	TAC	CCA	ACA	CCC	TTT	TAT	AAC	ACC	GGC	TTG	TGC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S	I	G	E	G	F	V	Y	P	T	P	F	Y	N	T	G	L	C
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CAT	TTA	ATA	CAT	GAC	TGT	GTT	ATT	GCT	CCC	ATG	GCC	GTT	GCC	TTG	CGC	GTC	AGA
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
H	L	I	H	D	C	V	I	A	P	M	A	V	A	L	R	V	R
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AAT	GTA	ACT	GCC	GTC	GCC	CGA	GGA	GCG	GCC	CAC	CTT	GCT	TTT	GAT	GAA	AAT	CAC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N	V	T	A	V	A	R	G	A	A	H	L	A	F	D	E	N	H
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GAG	GGG	GCA	GTA	CTC	CCC	CCT	GAC	ATT	ACG	TAC	ACG	TAT	TTT	CAG	TCC	TCT	TCA
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
E	G	A	V	L	P	P	D	I	T	Y	T	Y	F	Q	S	S	S
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGT	GGA	ACC	ACT	ACC	GCC	CGT	GGA	GCG	CGT	CGA	AAC	GAT	GTC	AAC	TCC	AOG	TCT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S	G	T	T	T	A	R	G	A	R	R	N	D	V	N	S	T	S
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AAG	CCT	AGC	CCA	TCG	GGG	GGG	TTT	GAA	AGA	CGG	TTG	GCG	TCT	ATT	ATG	GCC	GCT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
K	P	S	P	S	G	G	F	E	R	R	L	A	S	I	M	A	A

FIGURE 6-4

981	990	999	1008	1017	1026
GAC ACA GCC TTG CAC GCA GAA GTT ATA TTC AAC ACT GGA ATT TAC GAA GAA ACT					
D T A L H A E V I F N T G I Y E E T					
1035	1044	1053	1062	1071	1080
CCA ACA GAT ATC AAA GAA TGG CCA ATG TTT ATA GGC ATG GAG GGC ACT TTG CCA					
P T D I K E W P M F I G M E G T L P					
1089	1098	1107	1116	1125	1134
AGG CTA AAC GCT CTG GGG TCA TAT ACC GCT CGT GTG GCC GGG GTC ATT GGT GCG					
R L N A L G S Y T A R V A G V I G A					
1143	1152	1161	1170	1179	1188
ATG GTT TTC AGC CCA AAT TCT GCG TTG TAT CTA ACT GAG GTG GAG GAT AGC GGG					
M V F S P N S A L Y L T E V E D S G					
1197	1206	1215	1224	1233	1242
ATG ACC GAA GCC AAG GAT GGG GGA CCG GGT CCA TCA TTT AAT CGA TTT TAC CAG					
M T E A K D G G P G P S F N R F Y Q					
1251	1260	1269	1278	1287	1296
TTT GCC GGA CCT CAT TTA GCT GCG AAT CCC CAA ACA GAT CGA GAT GGC CAC GTT					
F A G P H L A A N P Q T D R D G H V					
1305	1314	1323	1332	1341	1350
CTA TCC AGT CAG TCT ACG GGT TCA TCA AAC ACA GAG TTT AGC GTG GAT TAT TTG					
L S S Q S T G S S N T E F S V D Y L					

FIGURE 6-5

1359	1368	1377	1386	1395	1404
GCA CTC ATT TGT GGA TTT GGA GCA CCC CTG TTG GCG CGA CTG CTT TTT TAT CTA					
A L I C G F G A P L L A R L L F Y L					
1413	1422	1431	1440	1449	1458
GAA CGC TGT GAC GCT GGT GCG TTT ACA GGG GGT CAC GCG GAT GCG TTA AAA TAT					
E R C D A G A F T G G H G D A L K Y					
1467	1476	1485	1494	1503	1512
GTT ACG GGG ACC TTT GAC TCT GAA ATT CCA TGT AGT TTA TGT GAA AAA CAC ACG					
V T G T F D S E I P C S L C E K H T					
1521	1530	1539	1548	1557	1566
CGG CCG GTA TGC GCT CAC ACA ACA GTA CAC CGA CTT AGA CAA CGC ATG CCG CGA					
R P V C A H T T V H R L R Q R M P R					
1575	1584	1593	1602	1611	1620
TTT GGA CAA GCC ACC CGT CAA CCT ATT GGG GTG TTT GGA ACA ATG AAC AGC CAA					
F G Q A T R Q P I G V F G T M N S Q					
1629	1638	1647	1656	1665	1674
TAT AGC GAC TGC GAT CCT CTA GGA AAC TAT GCT CCA TAT TTA ATC CTT CGA AAA					
Y S D C D P L G N Y A P Y L I L R K					
1683	1692	1701	1710	1719	1728
CCC GGG GAT CAA ACG GAA GCA GCA AAG GCA ACC ATG CAG GAC ACT TAT AGG GCT					
P G D Q T E A A K A T M Q D T Y R A					

FIGURE 6-6

1737	1746	1755	1764	1773	1782
ACA CTA GAA CGC TTG TTT ATC GAT CTA GAA CAA GAG CGA CTA CTG GAT CGC GGT					
T L E R L F I D L E Q E R L L D R G					
1791	1800	1809	1818	1827	1836
GCC CCA TGT TCT TCC GAG GGA CTA TCG TCT GTC ATT GTG GAT CAT CCA ACG TTT					
A P C S S E G L S S V I V D H P T F					
1845	1854	1863	1872	1881	1890
CGT CGC ATA TTA GAC ACA CTG CGT GCG CGT ATA GAA CAG ACA ACA CAA TTT					
R R I L D T L R A R I E Q T T Q F					
1899	1908	1917	1926	1935	1944
ATG AAA GTG TTG GTT GAG ACC CGC GAT TAT AAG ATC CGT GAA GGA TTA TCC GAA					
M K V L V E T R D Y K I R E G L S E					
1953	1962	1971	1980	1989	1998
GCC ACC CAT TCA ATG GCG TTA ACG TTT GAT CCA TAC TCA GGA GCA TTT TGT CCC					
A T H S M A L T F D P Y S G A F C P					
2007	2016	2025	2034	2043	2052
ATT ACC AAT TTT TTA GTT AAA CGA ACA CAC CTA GCC GTG GTA CAA GAC TTA GCA					
I T N F L V K R T H L A V V Q D L A					

FIGURE 6-7

2061	2070	2079	2088	2097	2106
TTA AGC CAA TGT CAT TGT GTA TTT TAC GGA CAG CAA GTT GAG GGG CGG AAC TTT					
L S Q C H C V F Y G Q Q V E G R N F					
2115	2124	2133	2142	2151	2160
CGT AAC CAA TTC CAA CCT GTT TTG CGG CGG CGT TTT GTT GAC CTG TTT AAT GGG					
R N Q F Q P V L R R R F V D L F N G					
2169	2178	2187	2196	2205	2214
GGG TTT ATA TCA ACA CGC TCT ATA ACC GTA ACA TTA TCT GAA GGT CCT GTA TCC					
G F I S T R S I T V T L S E G P V S					
2223	2232	2241	2250	2259	2268
GCC CCA AAT CCG ACA TTG GGA CAA GAC GCG CCC GCG GGG CGT ACC TTT GAT GGG					
A P N P T L L G Q D A P A G R T F D G					
2277	2286	2295	2304	2313	2322
GAT TTA GCG CGC GTA AGC GTG GAA GTT ATT CGG GAT ATA CGA GTT AAA AAT AGG					
D L A R V S V E V I R D I R V K N R					
2331	2340	2349	2358	2367	2376
GTC GTT TTT TCA GGT AAC TGT ACA AAT CTC TCT GAG GCA GGC CGG GCA AGG CTT					
V V F S G N C T N L S E A A R A R L					
2385	2394	2403	2412	2421	2430
GTA GGC CTT GCA AGT GCG TAC CAA CGC CAA GAA AAA AGA GTG GAT ATG TTA CAC					
V G L A S A Y Q R Q E K R V D M L H					

FIGURE 6-8

2439	2448	2457	2466	2475	2484
GGG GCC CTA GGG TTT TTG CTT AAA CAG TTT CAC GGC CTG TTA TTT CCT CGG GGT					
G A L G F L L K Q F H G L L F P R G					
2493	2502	2511	2520	2529	2538
ATG CCA CCA AAC AGT AAA TCC CCC AAC CCG CAG TGG TTT TGG ACC CTG TTA CAA					
M P P N S K S P N P Q W F W T L L Q					
2547	2556	2565	2574	2583	2592
CGC AAC CAG ATG CCG GCA GAT AAA CTT ACA CAC GAA GAG ATT ACC ACT ATT GCA					
R N Q M P A D K L T H E I T I A					
2601	2610	2619	2628	2637	2646
GCT GTT AAA CGG TTT ACC GAG GAA TAT GCA GCA ATA AAC TTT ATT AAT CTA CCC					
A V K R F T E E Y A A I N F I N L P					
2655	2664	2673	2682	2691	2700
CCA ACC TGC ATA GGA GAA TTA GCC CAG TTT TAT ATG GCA AAT CTT ATT CTT AAA					
P T C I G E L A Q F Y M A N L I L K					
2709	2718	2727	2736	2745	2754
TAC TGC GAT CAT TCA CAG TAC CTT ATA AAT ACC TTA ACT TCT ATA ATT ACG GGT					
Y C D H S Q Y L I N T L T S I I T G					

FIGURE 6-9

2763	2772	2781	2790	2799	2808
GCC AGG CGC CCG CGT GAC CCA TCA TCC GTT TTG CAT TGG ATT CGT AAA GAT GTC					
A R R P R D P S S V L H W I R K D V					
2817	2826	2835	2844	2853	2862
ACG TCC GCC GCG GAC ATA GAA ACC CAA GCA AAG GCG CTT CTT GAA AAA ACG GAA					
T S A A D I E T Q A K A L L E K T E					
2871	2880	2889	2898	2907	2916
AAC TTA CCG GAA TTA TGG ACT ACT GCT TTT ACT TCA ACT CAT TTA GTC CGC GCG					
N L P E L W T T A F T S T H L V R A					
2925	2934	2943	2952	2961	2970
GCC ATG AAT CAA CGT CCC ATG GTC GTT TTA GGA ATA AGC ATT AGT AAA TAT CAC					
A M N Q R P M V V L G I S I S K Y H					
2979	2988	2997	3006	3015	3024
GGA GCG GCA GGA AAC AAC CGC GTC GTT TTT CAG GCA GGG AAT TGG AGC GGT TTA AAC					
G A A G N N R V F Q A G N W S G L N					
3033	3042	3051	3060	3069	3078
GGG GGT AAA AAT GTA TGC CCG CTA TTT ACA TTT GAT CGC ACT CGC CGT TTT ATA					
G G K N V C P L F T F D R T R F I					
3087	3096	3105	3114	3123	3132
ATA GCA TGT CCT AGA GGA GGT TTT ATC TGC CCC GTA ACA GGT CCC TCG TCG GGA					
I A C P R G G G F I C P V T G P S S G					

FIGURE 6-10

3141	AAT CGA GAA ACC ACC CTA TCC GAC CAA GTT CGC GGT ATA ATT GTC AGT GGC GGG	3150	3159	3168	3177	3186
N R E T T L S D Q V R G I I V S G G						
3195	GCC ATG GTT CAA TTA GCC ATA TAC GCC ACG GTT GTG CGT GCA GTG GGC GCT CGA	3204	3213	3222	3231	3240
A M V Q L A A I Y A T V V R A V G A R						
3249	GCA CAA CAT ATG GCA TTT GAC GAC TGG TTA AGT CTT ACA GAC GAT GAG TTT TTA	3258	3267	3276	3285	3294
A Q H M A F D D W L S L T D D E F L						
3303	GCC AGA GAC TTG GAG GAG TTA CAC GAC CAG ATT ATC CAA ACC CTG GAA ACG CCC	3312	3321	3330	3339	3348
A R D L E E L H D Q I I Q T L E T P						
3357	TGG ACC GTA GAA GGC GCT CTA GAA GCA GTA AAG ATT CTA GAT GAA AAA ACG ACA	3366	3375	3384	3393	3402
W T V E G A L E A V K I L D E K T T						
3411	GCG GGA GAT GGG GAA ACC CCC ACA AAC CTA GCA TTT AAT TTT GAT TCT TGT GAA	3420	3429	3438	3447	3456
A G D G E T P T N L A F N F D S C E						

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FIGURE 6-11

3465	3474	3483	3492	3501	3510
CCA AGC CAT GAC ACC ACA TCT AAC GTA TTA AAC ATT TCA GGG TCA AAC ATT TCA					
P S H D T T S N V L N I S G S N I S					
3519	3528	3537	3546	3555	3564
GGG TCA ACT GTC CCT GGT CTT AAA CGA CCC CCC GAA GAT GAC GAA CTC TTT GAT					
G S T V P P G L K R P P E D D E L F D					
3573	3582	3591	3600	3609	
CTT AGT GGT ATT CCC ATA AAA CAT GGG AAC ATT ACA ATG GAA ATG A 3'					
L S G I P I K H G N I T M E M					